

# Part 573 Safety Recall Report

# 18V-860

**Manufacturer Name :** Yamaha Motor Corporation, USA

**Submission Date :** DEC 04, 2018

**NHTSA Recall No. :** 18V-860

**Manufacturer Recall No. :** 990126



## Manufacturer Information :

**Manufacturer Name :** Yamaha Motor Corporation, USA

**Address :** 6555 Katella Avenue

Cypress CA 90630-5101

**Company phone :** 800-962-7926

## Population :

**Number of potentially involved :** 11,240

**Estimated percentage with defect :** 100 %

## Vehicle Information :

**Vehicle 1 :** 2015-2016 Yamaha YZFR3

**Vehicle Type :** MOTORCYCLES

**Body Style :** OTHER

**Power Train :** GAS

**Descriptive Information :** Out of an abundance of caution, all units in the production range (affected year models) were included in this recall even though warranty claim analysis indicate that failure only present in select units.

**Production Dates :** JAN 05, 2015 - MAR 31, 2016

**VIN Range 1 :** Begin : MH3RH06Y0FK001001 **End :** MH3RH06Y5GK012240  **Not sequential**

## Description of Defect :

**Description of the Defect :** The campaign involves the installation of a new shift shaft torsion spring. In affected motorcycles, the torsion spring for the gear shift shaft could break because it was improperly shot-peened during manufacturing to strengthen the metal.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** If the spring breaks, it could be difficult to shift gears, which could result in loss of control.

**Description of the Cause :** An improperly shot-peening process was used during manufacturing, this did not provide the required strengthen to the metal spring.

**Identification of Any Warning that can Occur :** missed shifts, noise from shift lever area and a "loose" shift lever feel.

## Supplier Identification :

### Component Manufacturer

Name : NR  
Address : NR  
NR  
Country : NR

## Chronology :

In late November 2018 Yamaha Motor Corporation USA was informed by the manufacturer, Yamaha Indonesia Motor Manufacturing that such a situation exists. This was determined pursuant to a quality control review, testing and a review of foreign models that use a substantially similarly part design

## Description of Remedy :

Description of Remedy Program : The campaign involves the installation of a new shift shaft torsion spring. In affected motorcycles, the torsion spring for the gear shift shaft could break because it was improperly shot-peened during manufacturing to strengthen the metal. If the spring breaks, it could be difficult to shift gears, which could result in loss of control. Please refer to the draft Technical Bulletin which will be furnished to the Agency and Yamaha dealers upon completion describing the situation which is the subject of the campaign

How Remedy Component Differs from Recalled Component : New countermeasure shift shaft torsion springs has a black mark on the spring coil.

Identify How/When Recall Condition was Corrected in Production : New shift shaft torsion springs were used in production beginning with the 2016 model year production starting with VIN MH3RH06Y5\*K012241.

## Recall Schedule :

Description of Recall Schedule : We anticipate commencing dealer/owner notification shortly after the owner's notification letter is approved by NHTSA (draft copies of the Customer Notification Letter and Technical Bulletin is attached for your review), the affected VIN range is ascertained and the Technical Bulletin service procedure is confirmed and finalized by Yamaha service staff. Assuming the Agency can approve the letter within 5 days of receipt (perhaps December 17) we will have the letter and Technical Bulletin printed. Normal turn-around time is 3 working days for such printing. Hence the materials will be ready for mailing approximately December

21. Final copies of these notification documents will be forwarded to the Agency as soon as possible.

Planned Dealer Notification Date : DEC 21, 2018 - DEC 27, 2018

Planned Owner Notification Date : DEC 21, 2018 - DEC 27, 2018

\* NR - Not Reported